

Title (en)

BI-DIRECTIONAL FLUIDIC PCV VALVE ASSEMBLY AND SYSTEM

Title (de)

BIDIREKTIONALE FLUIDISCHE PCV-VENTILANORDNUNG UND SYSTEM

Title (fr)

ENSEMBLE DE SOUPAPE PCV FLUIDIQUE BIDIRECTIONNELLE ET SYSTÈME

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Application

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Abstract (en)

[origin: WO2018176061A1] Provided is a bi-directional PCV valve assembly, system and method. The bi-directional PCV valve may include a fluidic geometry that allows for a flow of fluid a high flow rate in one direction, forward flow, and a low flow rate in the opposite direction, reverse flow. The reverse flow includes a swirling flow that increases the pressure drop and reduces the flow rate to a third of the flow rate of the forward flow. The disclosed assembly produces a strong swirling flow (vortex) in the reverse direction and an efficient (low pressure drop) flow in the forward direction.

IPC 8 full level

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